<u>Claims</u>

1. Compounds of Formula (la):

wherein:

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5 A represents hydroxy;

D represents anyl or heteroaryl;

E represents hydrogen, C₁₋₈alkyl, aryl, heteroaryl or heterocyclyl;

G represents hydrogen or C_{1-6} alkyl optionally substituted by one or more substituents selected from halo, OR^1 , SR^1 , $C(O)NR^2R^3$, CO_2H , $C(O)R^4$, CO_2R^4 , NR^2R^3 , $NHC(O)R^4$, $NHCO_2R^4$, $NHC(O)NR^5R^6$, $SO_2NR^5R^6$, SO_2R^4 , nitro, cyano, aryl, heteroaryl and heterocyclyl;

R¹ represents hydrogen, C₁₋₆alkyl, arylalkyl, or heteroarylalkyl;

R² and R³ are independently selected from hydrogen, C₁₋₆alkyl, aryl and heteroaryl; or R² and R³ together with the nitrogen atom to which they are attached form a 5 or 6 membered saturated cyclic group;

 R^4 is selected from the group consisting of C_{1-6} alkyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl;

R⁵ and R⁶ are independently selected from the group consisting of hydrogen, C₁₋₆alkyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl; or R⁵ and R⁶ together with the nitrogen atom to which they are attached form a 5 or 6 membered saturated cyclic group; and

J represents C₁₋₆alkyl, heterocyclylalkyl, arylalkyl or heteroarylalkyl;

provided that i) E and G are not both hydrogen; and

- ii) the compound is other than
- 4-ethenyl-1-(2-nitrobenzoyl)-2,2-pyrrolidinedicarboxylic acid, diethyl ester;
- 1-(2-aminobenzoyl)-4-(1-hydroxyethyl)-2,2-pyrrolidinedicarboxylic acid, diethyl ester;
- 35 4-(1-hydroxyethyl)-1-(2-nitrobenzoyl)-2,2-pyrrolidinedicarboxylic acid, diethyl ester;

and salts, solvates and esters thereof; provided that when A is esterified to form -OR

where R is selected from straight or branched chain alkyl, aralkyl, aryloxyalkyl, or aryl, then R is other than *tert*-butyl.

- 2. A compound as claimed in claim 1 selected from the group consisting of:
- *rel*-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-*tert*-butylbenzoyl)-4-ethoxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-fluoromethyl-5-(1,3-thiazol-
- 10 2-yl)pyrrolidine-2-carboxylic acid;
 rel-(2S.4R.5R)-2-lsobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-me
 - rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-hydroxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
- 15 rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-hydroxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-allyloxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-propyloxymethyl-5-(1,3-
- 20 thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-ethoxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
- 25 rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-isopropenyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-isopropyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - (2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(1,3-thiazol-
- 30 2-yl)pyrrolidine-2-carboxylic acid;
 - (2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-*tert*-butylbenzoyl)-4-ethoxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - (2S,4S,5R)-2-Isobutyl-1-(3-bromo-4-tert-butylbenzoyl)-4-ethoxymethyl-5-(1,3-thiazol-2-yl)-pyrrolidine-2-carboxylic acid;
- 35 (2S,4S,5R)-2-Isobutyl-1-(3-chloro-4-*tert*-butylbenzoyl)-4-ethoxymethyl-5-(1,3-thiazol-2-yl)-pyrrolidine-2-carboxylic acid;
 - (2S,4S,5R)-2-Isobutyl-1-(3-methyl-4-*tert*-butylbenzoyl)-4-ethoxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;

rel-(2R,4R,5R)-2-Benzyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(1,3-thiazol-2-yl)-pyrrolidine-2-carboxylic acid;

- rel-(2R,4R,5R)-2-Benzyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-ethoxymethyl-5-(1,3-thiazol-2-yl)-pyrrolidine-2-carboxylic acid;
- 5 rel-(2S,4S,5R)-2-lsobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(pyrazin-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(pyrazin-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(5-methyl-
- 1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - *rel*-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-*tert*-butylbenzoyl)-4-methoxymethyl-5-(5-methyl-1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(2-chloro-1,3-thiazol-5-yl)pyrrolidine-2-carboxylic acid;
- 15 rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(2-methoxy-1,3-thiazol-5-yl)pyrrolidine-2-carboxylic acid;
 rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-((methylthio)methyl)-5-(1,3-methoxy-4-tert-butylbenzoyl)
 - thiazol-2-yl)pyrrolidine-2-carboxylic acid; rel-(2S,4R,5R)-2-lsobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-((methanesulfonyl)methyl)-
- 20 5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4R,5R)-2-lsobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-(1,1-difluoroethyl)-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-(1-hydroxy-1-methylethyl)-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
- 25 rel-(2R,4S,5R)-2-Benzyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(1,3-thiazol-2-yl)-pyrrolidine-2-carboxylic acid;
 - rel-(2R,4S,5R)-2-Benzyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-ethoxymethyl-5-(1,3-thiazol-2-yl)-pyrrolidine-2-carboxylic acid;
- *rel*-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-*tert*-butylbenzoyl)-4-methoxymethyl-5-(pyridin-2-yl)pyrrolidine-2-carboxylic acid;
 - (2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-*tert*-butylbenzoyl)-4-(1-hydroxy-1-methylethyl)-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - (2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-*tert*-butylbenzoyl)-4-(1-hydroxyethyl)-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
- 35 rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-ethoxymethyl-5-(1,3-thiazol-4-yl)pyrrolidine-2-carboxylic acid; rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-allyloxymethyl-5-(1,3-

thiazol-2-yl)pyrrolidine-2-carboxylic acid;

rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-propyloxymethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;

rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-cyanomethyl-5-(1,3-thiazol-

- 5 2-yl)pyrrolidine-2-carboxylic acid;
 - (2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-*tert*-butylbenzoyl)-4-(1-hydroxy-1-methylethyl)-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-ethyl-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
- 10 rel-(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(pyrid-2-yl))-pyrrolidine-2-carboxylic acid;
 - rel(2S,4R,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-(1-methoxyethyl)-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
 - (2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(pyridin-2-
- 15 yl)pyrrolidine-2-carboxylic acid;

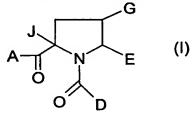
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- rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-ethoxymethyl-5-(5-methylisoxazol-3-yl)pyrrolidine-2-carboxylic acid;
- rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(5-methoxymethyl-1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid;
- 20 rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(5-methylpyridin-2-yl)pyrrolidine-2-carboxylic acid;
 rel-(2S,4S,5R)-2-Isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-methoxymethyl-5-(thien-2-yl)pyrrolidine-2-carboxylic acid;
- 25 and salts, solvates and esters, and individual enantiomers thereof where appropriate.
 - 3. A compound of Formula (Ia) as claimed in claim 1 wherein D represents optionally substituted phenyl.
- 4. A compound of Formula (Ia) as claimed in claim 3 wherein D represents *para-tert*-butylphenyl optionally further substituted by halo, C_{1.3}alkyl or C_{1.3}alkoxy
 - 5. A compound of Formula (Ia) as claimed in claim 1 wherein E represents optionally substituted heteroaryl.
 - 6. A compound of Formula (Ia) as claimed in claim 5 wherein E represents optionally substituted thiazolyl, pyridinyl, pyrazinyl, isoxazolyl and thienyl.
 - 7. A compound of Formula (Ia) as claimed in claim 1 wherein G represents C_{1-s}alkyl

optionally substituted by halo, OR1, SR1, SO2R4 and cyano.

8. A compound of Formula (Ia) as claimed in claim 7 wherein G represents C_{1-6} alkyl optionally substituted by OR^1 .

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- 9. A compound of Formula (Ia) as claimed in claim 7 or 8 wherein R¹ represents hydrogen or C_{1.3}alkyl.
- 10. A compound of Formula (Ia) as claimed in claim 7 wherein R⁴ represents C₁₋₃alkyl.
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- 11. A compound of Formula (Ia) as claimed in claim 1 wherein J represents C₁₋₆alkyl, arylalkyl or heteroarylalkyl.
- 12. A compound of Formula (Ia) as claimed in claim 1, and pharmaceutically15 acceptable salts and solvates thereof.
 - 13. A method of treating or preventing viral infection which comprises administering to a subject in need thereof, an effective amount of a compound of Formula (I)



20 wherein:

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A represents hydroxy;

D represents aryl or heteroaryl;

25 E represents hydrogen, C₁₋₈alkyl, aryl, heteroaryl or heterocyclyl;

G represents hydrogen or C_{1-6} alkyl optionally substituted by one or more substituents selected from halo, OR^1 , SR^1 , $C(O)NR^2R^3$, CO_2H , $C(O)R^4$, CO_2R^4 , NR^2R^3 , $NHC(O)R^4$, $NHCO_2R^4$, $NHC(O)NR^5R^6$, $SO_2NR^5R^6$, SO_2R^4 , nitro, cyano, aryl, heteroaryl and heterocyclyl;

R¹ represents hydrogen, C₁₋₆alkyl, arylalkyl, or heteroarylalkyl;

R² and R³ are independently selected from hydrogen, C₁₋₆alkyl, aryl and heteroaryl; or R² and R³ together with the nitrogen atom to which they are attached form a 5 or 6 membered saturated cyclic group;

 R^4 is selected from the group consisting of C_{1-6} alkyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl;

R⁵ and R⁶ are independently selected from the group consisting of hydrogen, C₁₋₆alkyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl; or R⁵ and R⁶ together with the nitrogen atom to which they are attached form a 5 or 6 membered saturated cyclic group; and

J represents C₁₋₈alkyl, heterocyclylalkyl, arylalkyl or heteroarylalkyl;

- and salts, solvates and esters thereof; provided that when A is esterified to form -OR where R is selected from straight or branched chain alkyl, aralkyl, aryloxyalkyl, or aryl, then R is other than *tert*-butyl.
 - 14. A method as claimed in claim 13 which involves inhibiting HCV.
 - 15. A method as claimed in claim 13 in which the compound is administered in an oral dosage form.
 - 16. A compound of Formula (I)

$$A = \begin{pmatrix} G \\ N \\ D \end{pmatrix}$$

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wherein:

A represents hydroxy;

25 D represents anyl or heteroaryl;

E represents hydrogen, C₁₋₆alkyl, aryl, heteroaryl or heterocyclyl;

G represents hydrogen or C₁₋₆alkyl optionally substituted by one or more substituents selected from halo, OR¹, SR¹, C(O)NR²R³, CO₂H, C(O)R⁴, CO₂R⁴, NR²R³, NHC(O)R⁴, NHCO₂R⁴, NHC(O)NR⁵R⁶, SO₂NR⁵R⁶, SO₂R⁴, nitro, cyano, aryl, heteroaryl and heterocyclyl;

R¹ represents hydrogen, C₁₋₆alkyl, arylalkyl, or heteroarylalkyl;

R² and R³ are independently selected from hydrogen, C₁₋₆alkyl, aryl and heteroaryl; or R² and R³ together with the nitrogen atom to which they are attached form a 5 or 6

membered saturated cyclic group;

 R^4 is selected from the group consisting of $C_{1\text{-}8}$ alkyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl;

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R⁵ and R⁶ are independently selected from the group consisting of hydrogen, C₁₋₈alkyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl; or R⁵ and R⁶ together with the nitrogen atom to which they are attached form a 5 or 6 membered saturated cyclic group; and

10 J represents C₁₋₈alkyl, heterocyclylalkyl, arylalkyl or heteroarylalkyl;

and salts, solvates and esters thereof; provided that when A is esterified to form -OR where R is selected from straight or branched chain alkyl, aralkyl, aryloxyalkyl, or aryl, then R is other than *tert*-butyl;

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for use in medical therapy.

17. A compound as claimed in claim 16 wherein the medical therapy is the treatment of viral infection.

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- 18 A compound as claimed in claim 17 wherein the viral infection is HCV.
- 19 Use of a compound of Formula (I)

25 wherein:

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A represents hydroxy;

D represents anyl or heteroaryl;

30 E represents hydrogen, C₁₋₆alkyl, aryl, heteroaryl or heterocyclyl;

G represents hydrogen or C_{1-8} alkyl optionally substituted by one or more substituents selected from halo, OR^1 , SR^1 , $C(O)NR^2R^3$, CO_2H , $C(O)R^4$, CO_2R^4 , NR^2R^3 , $NHC(O)R^4$, $NHCO_2R^4$, $NHC(O)NR^5R^6$, $SO_2NR^5R^6$, SO_2R^4 , nitro, cyano, aryl, heteroaryl and heterocyclyl;

R¹ represents hydrogen, C₁-salkyl, arylalkyl, or heteroarylalkyl;

R² and R³ are independently selected from hydrogen, C₁₋₆alkyl, aryl and heteroaryl; or R² and R³ together with the nitrogen atom to which they are attached form a 5 or 6 membered saturated cyclic group;

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R⁴ is selected from the group consisting of C₁₋₆alkyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl;

R⁵ and R⁶ are independently selected from the group consisting of hydrogen, C₁₋₆alkyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl; or R⁵ and R⁶ together with the nitrogen atom to which they are attached form a 5 or 6 membered saturated cyclic group; and

J represents C₁₋₈alkyl, heterocyclylalkyl, arylalkyl or heteroarylalkyl;

and salts, solvates and esters thereof; provided that when A is esterified to form -OR where R is selected from straight or branched chain alkyl, aralkyl, aryloxyalkyl, or aryl, then R is other than *tert*-butyl;

in the manufacture of a medical for the treatment of viral infection.

- 20 Use as claimed in claim 19, wherein the viral infection is HCV.
 - A pharmaceutical formulation comprising a compound of Formula (la) as defined in claim 1 in conjunction with a pharmaceutically acceptable diluent or carrier.
- 25 22. A process for the preparation of a compound of Formula (I) as defined in claim 13, comprising treatment of a compound of Formula (II)

in which A is alkoxy, and D, E, G and J are as defined for Formula (I), with an acid.

30 23. A process as claimed in claim 22 in which A is tert-butoxy.